

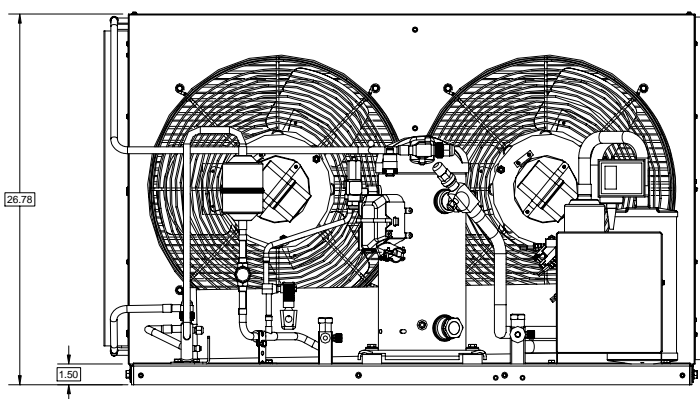
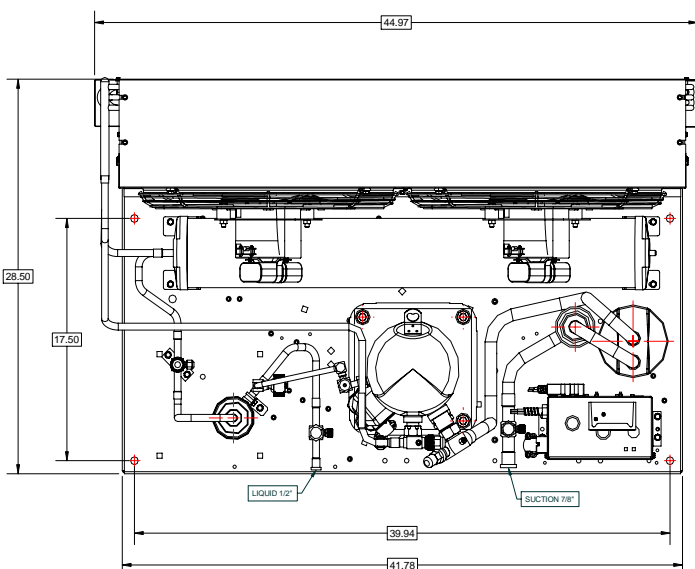
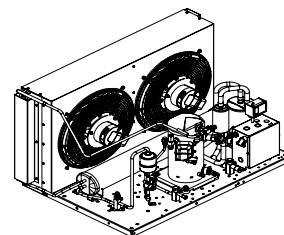


# TECUMSEH HERMETIC CONDENSING UNIT

VSAG515ZXTXM  
TPC preliminary  
October 14, 2011

**Model** VSAG515ZXTXM  
**BOM** 32T3642-2

**Air Cooled** 3 ¾ HP  
**Application** Low Temp  
**Refrigerant** R404A



VSAG515ZXTXM	Dimensions (inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz	Lbs.
	44.97	28.50	26.78	7/8 Sweat	1/2 Sweat	33.44	4200	55	285

\*) Mounting Holes, 17.50 x 39.94

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	7400	2800	198	88	7200	2980	227	98	6800	3220	261	107	6300	3520	299	117
-35	8.0	8500	2900	202	89	7900	3080	231	99	7700	3320	265	108	7000	3620	304	118
-30	10.7	9900	3000	205	91	9100	3180	235	100	8700	3420	269	109	7900	3710	308	119
-25	14.0	11300	3100	209	92	10300	3280	239	101	9800	3520	273	110	8900	3810	312	120
-20	17.1	12800	3200	213	93	11700	3380	243	102	11000	3610	277	111	10000	3900	316	121
-15	19.3	14400	3310	217	94	13100	3490	247	103	12300	3720	281	112	11100	4000	319	122
-10	24.5	16000	3420	221	96	14600	3600	251	104	13600	3820	285	113	12300	4100	323	123
-5	28.8	17600	3530	226	97	16100	3710	256	106	15000	3930	289	115	13500	4210	327	124
0	33.5	19300	3660	230	98	17600	3830	260	107	16300	4060	294	116	14800	4330	331	125
5	36.5	20900	3790	236	100	19000	3970	266	108	17700	4190	299	117	16000	4460	336	126
10	43.7	22500	3930	242	102	20500	4110	271	110	19000	4330	304	118	17200	4590	341	127

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

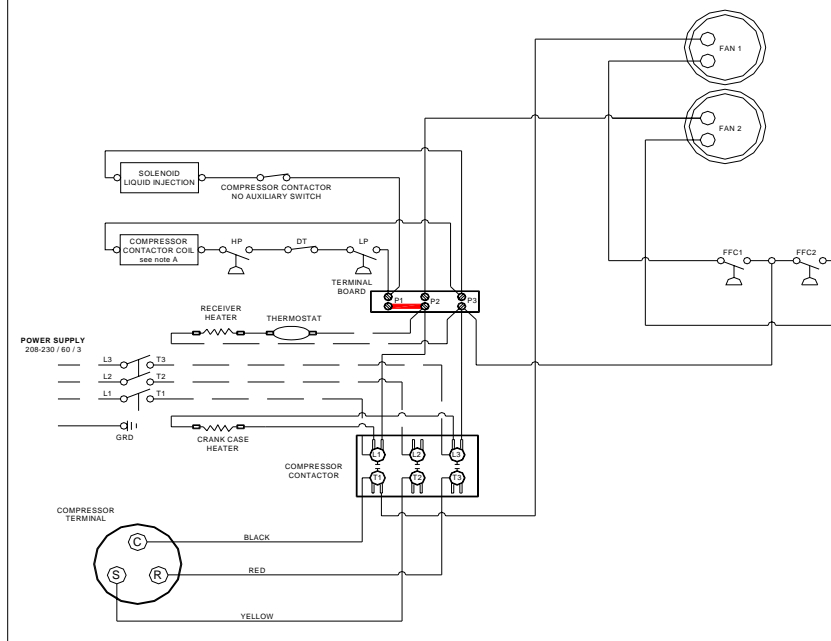
**PRELIMINARY PERFORMANCE DATA**

## Parts/Specifications

Unit BOM	32T3642-2	Fan Motor	810S186B40
Unit MODEL	VSAG515ZXTXM	Fan Motor Qty	2
		Fan Motor RLA	1.9
Refrigeration RANGE	-40°F to 10°F	Fan Blade	51528-3
Design Pressure Low	181	Fan Guard	70832
Design Pressure High	450	Shroud	70611-1
Volts - HZ - Ph	200-230V 3~ 60HZ		
Voltage Range	180 - 253	High Pressure switch	84095-2
Min. Circuit Ampacity	16.28	Low Pressure Control	84026-2
Max. Fuse Size	25	Dual Pressure Conrol	
Compressor MODEL	VSAG513ZXT	Condenser	50785-4
Compressor BOM	VS123RT-008-A4	Head Master Valve	
Compressor LRA	80	Check Valve	
Compressor RLA	9.98	Process Valve	
		Liquid Valve	
OverLoad	INTERNAL	Suction Valve	31529-2
Relay			
Run Capacitor		Receiver	51084
Run Capacitor Rating		Receiver Qty	1
Start Capacitor		Accumulator	TK00042000
Start Capacitor Rating		Liquid Filter	52000-164D
Contacto	91014B	Sight Glass	70084-2
		Suction Filter	70822-5S
Unit Drawing	DGU1950-13	CrankCase Heater	
Wiring Diagram	WD23-2FL		

### IMPORTANT:

COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.  
USE COPPER CONDUCTORS ONLY.  
(EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)



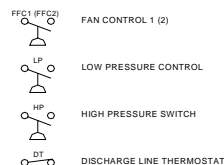
## NOTES

### FIELD WIRING NOTES

1. ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MN.) WIRING.
3. IF REQUIRED INSTALL SYSTEM REMOTE CONTROL BETWEEN P1 AND P2 IN TERMINAL BLOCK AND REMOVE THE JUMPER

### GENERAL NOTES:

- A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
- B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.



- FACTORY COMPONENTS
- OPTIONAL FACTORY COMPONENTS
- OPTIONAL FIELD COMPONENTS

CONDENSING UNIT WIRING, 230V 60Hz 3 Ph,  
Liquid Injection Solenoid,  
Fan control,

REL  
REVISION

WD23-2FL